

20030328.qrp v02_n873.qrl.20030328

Date: Fri, 28 Mar 2003 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2873

QRP-L Digest 2873

Topics covered in this issue include:

- 1) [148258] Re: Missile guidance wire
by "Leon Heller" <leon_heller@hotmail.com>
- 2) [148259] Atlanticon hotel room available
by "George Heron N2APB" <n2apb@erols.com>
- 3) [148260] Icom 703 pricing
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 4) [148261] [CONTEST] N2CQ QRP Contest Calendar Mar 28/31
by "Ken Newman" <N2CQ@Dandy.Net>
- 5) [148262] Summer FOX Sked Survey
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 6) [148263] More Reading and happenings on Lightning protection
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [148264] Tubes Supplier
by "Juan Ferrari" <puntrad@usa.net>
- 8) [148265] Re: Icom 703 pricing
by Brian Short <bshort4@cox.net>
- 9) [148266] Re: More Reading and happenings on Lightning protection
by "Nick Kennedy" <nkennedy@tcainternet.com>
- 10) [148267] NJQRP 'Website-on-CDROM'
by "George Heron N2APB" <n2apb@erols.com>
- 11) [148268] Soldering with a toaster oven
by Paul Oakes <pro@glassaxis.org>
- 12) [148269] Re: QRP-L Numbers
by Tim Pettibone <k5oi@cox.net>
- 13) [148270] Re NorCal :Mini boots kit
by lite65 <lite65@earthlink.net>
- 14) [148271] [re]Summer FOX Survey
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 15) [148272] Optimized qrp transciever
by Scott Whitmire <sew1@acsu.buffalo.edu>
- 16) [148273] Re: QRP-L Numbers
by "George, W5YR" <w5yr@att.net>
- 17) [148274] DSW-II for 20 meters
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 18) [148275] Re: QRP-L Numbers
by Alex <kr1st@amsat.org>
- 19) [148276] Re: Optimized qrp transciever

- by "Dennis Payton" <dpayton@fwi.com>
- 20) [148277] Re: Re NorCal :Mini boots kit
by Junichi Nakajima <nakaji@crl.go.jp>
- 21) [148278] Re: Optimized qrp transciever
by David Hinerman <WD8CIV@worldnet.att.net>
- 22) [148279] Re: QRP-L Numbers
by Jim Eshleman <jce0@Lehigh.EDU>
- 23) [148280] Re: QRP-L Numbers
by Jim Campbell <jim-c@charter.net>
- 24) [148281] Re: [re]Summer FOX Survey
by "Karl F. Larsen" <k5di@zianet.com>
- 25) [148282] For Trade
by "Tom Curtola" <tcurtola@rogers.com>
- 26) [148283] rigs for sale
by fcsww@juno.com
- 27) [148284] Atlanticon and DSW-II
by Randy Moore <wrmoore47@comcast.net>
- 28) [148285] C-21 FS at Atlanticon
by "Joe Everhart" <n2cx@voicenet.com>
- 29) [148286] Re: QRP-L Numbers
by Alex <kr1st@amsat.org>
- 30) [148287] Re: QRP-L Numbers
by Jim Eshleman <jce0@Lehigh.EDU>
- 31) [148288] Re: QRP-L Numbers
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 32) [148289] ArkieCon Weather
by Chuck Carpenter <w5usj@9plus.net>
- 33) [148290] Question on Wideband Transformers/Use of 'filar windings
by "Brad Hernlem" <alihernlem@hotmail.com>
- 34) [148291] Tansverters - Thank you.
by psschwarz@kellnet.com
- 35) [148292] Fox: final log N7CQR
by Dan Presley <dpresley1@comcast.net>
- 36) [148293] Re: Question on Wideband Transformers/Use of 'filar windings
by "Chris Trask" <chistrask@earthlink.net>
- 37) [148294] FS: Collins 51S-1 & matching spkr
by Ed Tanton <n4xy@earthlink.net>
- 38) [148295] OT: Great Hubble Photo URL
by Ed Tanton <n4xy@earthlink.net>
- 39) [148296] OT: Astronomical Picture of the Day
by "Al McRorie" <mcrorie7@rogers.com>
- 40) [148297] Re: Question on Wideband Transformers/Use of 'filar windings
by "Brad Hernlem" <alihernlem@hotmail.com>
- 41) [148298] Icom 703
by "William K. Harding" <k4ahk@ix.netcom.com>
-

Date: Thu, 27 Mar 2003 22:46:10 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148258] Re: Missile guidance wire
Message-ID: <DAV56DyGz2stY3Uyn3p000010d1@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, March 27, 2003 9:22 PM
Subject: Re: Missile guidance wire

>
> Hi Jim those are the control wires used by the TOW missile. Hughes A/C
> made 500,000 of them and each one has a spool with about 3 miles of the
> wire on it. It's a steel wire very small diameter that is VERY strong. I
> think it's copper clad to improve conductivity of the wire. I think the
> wire is/was made in Europe.

A few years ago one of the surplus stores in the UK had large stocks of it.
I haven't seen any for sale recently.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Thu, 27 Mar 2003 18:50:27 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "EPA-QRP" <EPA-QRP@yahooogroups.com>, "NJQRP" <njqrp@njqrp.org>,
"NoVAQRP" <NoVaQRP@topica.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [148259] Atlanticon hotel room available
Message-ID: <004b01c2f4bb\$c70720b0\$6fc23ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I over-reserved the number of hotel rooms needed for the Atlanticon speaker staff, and have 1 left over at the special price if anyone wants to use it. Of course you'll pay the per night rate yourself, but you otherwise wouldn't be able to get a room at the hotel for this big weekend coming up.

Let me know asap if you are interested in this room.

73, George N2APB
n2apb@amsat.org

Date: Thu, 27 Mar 2003 18:24:23 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "George, W5YR" <w5yr@att.net>, <qrp-1@Lehigh.EDU>
Subject: [148260] Icom 703 pricing
Message-ID: <002301c2f4c0\$62367730\$4e100a0a@rohredt2000>

On one reflector someone called around and Austin Amateur Radio Supply right here, had the lowest price but still above 700 dollars. There is one model of 703 that lacks 6m and one with 6m. With the added filter, you get to \$1000 almost.

Maybe someone will call more stores than Universal and AARS.

72, Stuart K5KVH

Date: Thu, 27 Mar 2003 19:35:19 -0500
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "W3BG" <W3BG@arrl.net>, "Norm Into" <normk8ni@neo.rr.com>, "N4SO" <N4SO@Juno.com>, "List Elecraft" <Elecraft@mailman.qth.net>,
Subject: [148261] [CONTEST] N2CQ QRP Contest Calendar Mar 28/31
Message-ID: <049101c2f4c1\$f0b03360\$28e980d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
March 28/31, 2003  
~~~~~

ATLANTICON - Mar 28/29, 2003
~~~~~

CQ World-Wide WPX Contest (SSB) ... QRP Category  
Mar 29 - 0000z to Mar 30 - 2400z  
Rules: <http://home.woh.rr.com/wpx/>

~~~~~

Thanks to WA7BNM, SM3CER, N0AX-(ARRL) and others
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website, newsletter,
e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)

72 de
Ken Newman - N2CQ
N2CQ@ARRL.NET
<http://www.njqrp.org/data/contesting.html>
<http://www.n3epa.org/Pages/Contest/contest.htm>
<http://www.qsl.net/cqrp/contests.html>

Date: Thu, 27 Mar 2003 19:35:23 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [148262] Summer FOX Sked Survey
Message-ID: <412003352813523625@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Plans are coming together for the 2003 Summer FOX Hunt. Soon an
announcement will be posted with the schedule. Shortly also there will be
a call for FOX volunteers.

Consideration is being given to *when* the weekly hunts should be
scheduled. One summer they were on Sunday afternoons. Another summer they
were Thursday evenings. This year 20 Metres had been dying fairly early
most evenings. Right now it is 7:26 pm in the Central time zone (0126Z),
and the band has apparently all but folded. I am hearing PP5XZ but just
barely. Mostly I am hearing an S-6 noise level, and an almost empty band.

I would be interested in hearing from the members on this matter. Seems
like the better choice would be to go for Sunday afternoons again. That
won't work for everyone of course. But neither will Thursdays [g]. Please
let me hear from you (DIRECT, please, to save BW on the reflector) very
soon, so we can move forward with planning. Thanks in advance for your

input.

73,

--Doc/K0EVZ

Date: Thu, 27 Mar 2003 19:50:40 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [148263] More Reading and happenings on Lightning protection
Message-ID: <008b01c2f4cc\$6fb3df40\$4e100a0a@rohredt2000>

Several replies asked me more about the sources I had found on Lightning Dissipaters, and even though I gave enough information to find it again by Google., someone wondered which IEEE publication had the paper on the theory of how dissipation arrays work for taller structures and one of the two types of lightning strokes.

The paper is: "The Applicability of Lightning Elimination Devices" and is on Page 1120 of the IEEE Transactions on Power Delivery, Vol. 13, no. 4, Oct. 1998.

This is a specialized publication for the power industry; and the author is with a utility, and his premise was to show that the devices by his theory, would work mainly for 300 m and taller towers, but might not work consistently below that elevation and for extended area substations, transmission lines, etc., since they are not tall and slender like a tower. It is pretty obvious he comes from one camp other than the one of the first manufacturer of the dissipation arrays as they are known to the trade. One of the problems appears to be there are competing designs of these devices, and installation care and adequate downleads and earth footings probably are key to anything working in this variable electrical discharge business.

The various experiences of persons on this list, seem in agreement with the points

in the paper, that there are critical heights and geometry of structure for lightning appliances to work, as more than sacrificial electrodes, and the easiest path for a strike to take.

Other sources available on the web seem to be pretty confident that protection can be afforded to properly grounded electronics aboard a boat, if you adequately ground the sail boat mast, and bond everything to an adequate copper plate on the bottom of the boat hull. However, the boat in fresh water must have a larger area ground plate.

I am reminded of another old adage, that you are safe inside your car, because the steel body will surround you with an approximation of a Faraday Cage.

However, I have seen a video of a modern car's AM/FM antenna being struck by a lightning bolt. The antenna was vaporized as was the lead in, and hot metal sprayed the car occupant when the radio was zapped. I think this was a storm chaser who was videotaping a severe thunderstorm and looking for tornadoes, so he got his own hit on tape. This was shown a year ago or more at the local Skywarn school, so it should be available on some storm chaser web site.

The whole business makes me want to improve my own station surge protection before our severe storm season in a couple months. And maybe move my disconnects further from the radios!

72,
Stuart K5KVH

Date: Fri, 28 Mar 2003 02:45:57 -0000
From: "Juan Ferrari" <puntrad@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
"Piggies-L" <fpqrp-1@mpna.com>
Subject: [148264] Tubes Supplier
Message-ID: <005b01c2f4d4\$2a8e2d00\$a6c2b7c7@puntana.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang.
Last winter when I was near DC, at indication of a fellow QRPr I visited the

Radio History Museum at Bowie, MD. The think is that the Museum also offers a service of tube testing and sells an extensive list of them new and used but OK. I bought from them a couple of tubes and I'm more than happy. The price is far below the commercial prices. I paid 6.50 for a 12AV7 and a 12AU7 and they charge 2 dollars S&H up to 4 tubes I think. My package mail amounted \$1.98.

Tony is a great person and willing to help.

<<http://www.radiohistory.org/>>

TONY YOUNG 301 262 1917

They will also have a very interesting estate sale.

72

Juan - KG4FSN

Date: Thu, 27 Mar 2003 20:55:33 -0500

From: Brian Short <bshort4@cox.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [148265] Re: Icom 703 pricing

Message-ID: <5CDAC0AE-60C0-11D7-B6FE-00306543B616@cox.net>

Content-Type: text/plain; charset=US-ASCII; format=flowed

Mime-Version: 1.0 (Apple Message framework v551)

Content-Transfer-Encoding: 7bit

I could not find the '703 on the Texas Tower web page.

Personally, I have all of the commercial radios that I require, but I was curious and they sometimes have quite competitive prices.

On Thursday, March 27, 2003, at 07:24 PM, Stuart Rohre wrote:

> On one reflector someone called around and Austin Amateur Radio Supply
> right

> here, had the lowest price but still above 700 dollars. There is one
> model of 703 that lacks 6m and one with 6m. With the added filter,
> you get to \$1000 almost.

> Maybe someone will call more stores than Universal and AARS.

> 72, Stuart K5KVH

--

See my web page: <http://www.k7on.com>

Date: Thu, 27 Mar 2003 21:00:09 -0800

From: "Nick Kennedy" <nkennedy@tcainternet.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [148266] Re: More Reading and happenings on Lightning protection
Message-ID: <00f401c2f4e6\$eeeeab5d0\$0400000a@wa5bdu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The dissipation array theory is a bit controversial. Meaning, some people buy the concept and some don't.

I saw the presentation once but remained unconvinced. Too much hand waving, hoodoo, and suspension of disbelief required, in my opinion. And glowing success stories countered by smelly failure stories.

Just weighing in with another viewpoint.

72 & don't golf or climb your tower during storms--

Nick, WA5BDU

Date: Thu, 27 Mar 2003 22:45:34 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "EPA-QRP" <EPA-QRP@yahoogroups.com>,
"NoVAQRP" <NoVaQRP@topica.com>, "QRP-L" <qrp-l@lehigh.edu>,
Subject: [148267] NJQRP 'Website-on-CDROM'
Message-ID: <00a001c2f4dc\$8001cfa0\$6fc23ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A little while back I mentioned a special project we were working on here in the NJQRP called the 'Website-on-CDROM'. Well, it's ready to ship!

The NJQRP Website-on-CDROM is a collection of all material ever published on the NJQRP website over its seven years of existence.

The CD-ROM contains all the photos & recaps of the club meetings, all the projects and all the technical items ever posted to our website over the years. We only keep the most relevant and timely information on the website itself in order to conserve precious disk space ... but since your Friendly Webmaster (that's me!) has everything saved here on a local system, we're able to provide this 500 megabytes of photos, articles, project descriptions, schematics, pcb layouts and many other types of reference

material all on this CD-ROM.

You'll also see the photos and recaps from many our past outings (Field Days, QTTF's, QRP Afields, ARRL HQ visits), all of the color photos and graphic material from QRP Homebrewer magazine, all our kit manuals and details from other experimental projects we've done over the years. This collection of material is really quite amazing!

Why pay for something that's already available on the website? We'll if you're anything like me (and have a slow dial-up connection like me), having all this QRP information available 'instantaneously' is a great time saver. I can't tell you how many photos of QRPers and projects we've collected over the years, and most of it is of good interest even if you're not in the NJQRP or if you don't attend its meetings. Browsing through all these images is a breeze with it available right there in your CD drive.

Another benefit ... you have it available 'all the time'. If you travel with your laptop, or if the kids are surfing Barney.com, you can still access the articles, schematics, software listings, diagrams, and descriptions of your favorite projects.

Yet another benefit ... Again, we cannot literally save everything done over the years online, but we can make it all available on CD-ROM for everyone. You don't miss out on anything.

And finally ... Extra material is provided on the CD-ROM -- extra large manuals, full software archives, and more.

Nearly all the KIT and PROJECT documentation (manuals, photos, write-ups, articles) are there too ...

The KITS on the CD-ROM include ... Sniffer, Antenna Analyzer - II, QuickieLab, I/O Extender (IOX), Serial CW Sender, Precision Variable Crystal Oscillator (PVX0), HC908 Daughtercard, "Badger" SmartBadge, SOP Receiver, Islander Pad Cutter, Tip Tapper Iambic Paddle, PSK31 Audio Beacon Kit, Halfer Antenna, PSK-80 Warbler, Atlanticon Proceedings, W1CG Low Power Balun, Rainbow Tuner & SWR Bridge, Manhattan Homebrewing Starter Kit, PSK-20 Specialty Parts, Scott Sled Kite, 4017 Transverter, Islander Audio Amp Kit, 80 Meter Squirt Antenna, SMK-1 Enclosure, Tuna Tin 2 Transmitter, SNAP Transmitter, and the Fireball 40 QRPP Transmitter.

The PROJECTS on the CD-ROM include ... Digital QRP Breadboard, Tuna Tin 2, Herring Aid 5, Build the KA5DVS "PAC-12" Antenna, Build a Logging Frequency Counter, Antenna Analyzer I, Simple Regen Receiver, Portable PSK, Summary of Sierra Mods, Pixie-II, MicroBeacon, Homebrew Kites, DDS VFO with AD9850 + PIC16C84, Cigarette Lighter RF Probe, NN1G Transceiver Construction Notes, Antenna Musings, QRPPaddles, NorCal / K8FF Paddles, Phase Processing the R2/T2 with a DSP, N2APB Z-Match, Coherent CW, Delta Loop Performance, The

Perfect QRP Enclosures, and The QRP-40.

Gee, we've been busy over the last seven years! And many of you have been playing right along with us.

And there's so much more too ... 5 years of Atlanticon fun, photos, speakers & projects. Summary of all issues of QRP Homebrewer magazine AND the complete set of QHB Extra photos of all the color graphics ever put in the magazine, reference articles, maps, QRP frequencies, the QRP Links page (I use this one every single day) ... the list goes on and on.

Anyway, we just wanted to give you a flavor of what's on this little gem and the value you could find in using it.

For ordering details, visit the "NJQRP Website-on-CDROM" web page at <http://www.njqrp.org/cdrom>. We have bunches of CDs pressed already and in stock, so we can ship it out within days of receiving orders.

73, George N2APB n2apb@amsat.org
and Dave AA3UR njqrp-kits@comcast.net

PS: We'll have these CDs at Atlanticon this weekend, and will likely have a "special show price" on it, as with other kits we'll have on hand. See you there ;-)

Date: Thu, 27 Mar 2003 16:44:54 -0500
From: Paul Oakes <pro@glassaxis.org>
To: qrp-1@Lehigh.EDU
Subject: [148268] Soldering with a toaster oven
Message-ID: <58BD70DC-609D-11D7-9F65-000393062380@glassaxis.org>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

Here's an interesting way to handle soldering surface mount components:

http://www.seattlerobotics.org/encoder/200006/oven_art.htm

-paul N8DTM

Paul Oakes

```
>select * from users where clue is > 1  
> 0 rows returned
```

Date: Thu, 27 Mar 2003 22:43:11 -0600
From: Tim Pettibone <k5oi@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148269] Re: QRP-L Numbers
Message-ID: <5.1.0.14.0.20030327223435.02540e88@pop.central.cox.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Wow! I was "lucky" and got QRP-L # 73, except that it turned out to be a curse. Back in the days when we used QRP-L numbers as part of the exchange for the FOX hunts (I still like that idea and am sorry we stopped), I got lots of confusion going when I sent my number as "73". This whole discussion brings back lots of fond memories. It can't have been 10 years already! Remember the winds at Riley, Chuck, Doug, Paul?

Tim K5OI
QRP-L # 73 (geez, just missed the coveted # 72!)

Date: Thu, 27 Mar 2003 21:46:42 -0800
From: lite65 <lite65@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [148270] Re NorCal :Mini boots kit
Message-ID: <3E83E1BB.811DBE98@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Does anyone know what became of the Nor Cal Mini boots kit?
Maybe I missed an announcement on the status of the kit

I know there was some delay in shipment due to some technical problems but it seems like a long time has passed since I sent in my order.

Bill Stewart
KF6RMK

Date: Thu, 27 Mar 2003 23:43:57 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@Lehigh.EDU>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [148271] [re]Summer FOX Survey
Message-ID: <412003352854357220@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Thanks to so MANY who responded to the informal survey. Wow! As replies are still coming in, I will refrain from posting the stats thus far.

HOWEVER a couple of guys noted that 20 Metres is normally open *later* during the summer than it is at present. So this is something to think about.

73,
--Doc/K0EVZ

Date: Fri, 28 Mar 2003 00:26:19 -0500
From: Scott Whitmire <sew1@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [148272] Optimized qrp transciever
Message-ID: <3E83DCFB.4020108@acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Greetings!

I am curious to know if anyone has built/operated the optimized qrp transciever from the ARRL handbook. I believe the original design appeared in QST circa 1980 in an article by Wes Hayward. I am interested in building/modifying this rig. Some proposed mods would be to replace the ring diode mixer with a sa612 ic mixer, change the final output to come closer to 5 watts, add a signal strength meter/wattmeter, and possibly take the microcontroller from a rock-mite to give it a

keyer. I am also considering going with a varicap to tune the vfo and an on-board antenna tuner. any feedback/hints etc would be greatly appreciated. BTW, size is not a concern, so if the rig ends up being in a 4"x4" enclosure, that's ok!

73
Scott

Date: Fri, 28 Mar 2003 00:20:09 -0600
From: "George, W5YR" <w5yr@att.net>
To: <k5oi@cox.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [148273] Re: QRP-L Numbers
Message-ID: <018e01c2f4f2\$165fdf40\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tim, I inherited that problem to an extent with #1373!

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13QE
"In the 57th year and it just keeps getting better!"
<mailto:w5yr@att.net>

----- Original Message -----
From: "Tim Pettibone" <k5oi@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, March 27, 2003 10:43 PM
Subject: Re: QRP-L Numbers

> Wow! I was "lucky" and got QRP-L # 73, except that it turned out to be a
> curse. Back in the days when we used QRP-L numbers as part of the
exchange
> for the FOX hunts (I still like that idea and am sorry we stopped), I got
> lots of confusion going when I sent my number as "73". This whole
> discussion brings back lots of fond memories. It can't have been 10 years
> already! Remember the winds at Riley, Chuck, Doug, Paul?

>
> Tim K50I
> QRP-L # 73 (geez, just missed the coveted # 72!)
>
>

Date: Thu, 27 Mar 2003 22:49:50 -0800
From: "Chuck Adams, K7QO" <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [148274] DSW-II for 20 meters
Message-ID: <5.1.1.6.0.20030327223815.01938b98@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Small Wonder Labs has done it again. The DSW-II is a neat little rig and I have one assembled.

I had been in Reno, NV for a week doing tournaments. And I did very well but was glad to get back home. Today in the mail I got a package from Dave Benson, K1SWL, and in it was a beta version of the DSW-II for 20 meters.

I got it assembled but it is missing an IC which Dave was hoping to get in today, but he was in overload getting ready for Atlanticon. So when he gets back I'll probably get the TS922 IC in time for the QRP-L bash next Sunday week. I'll post the announcement on Sunday.

I took pictures during the assembly process and will have them also on the web page Sunday. I have to save the world tomorrow by going to the Core and hopefully I'll make it back. :-) Then Saturday a trip to Phoenix for another tournament. The whole purpose of these trips is to get on ESPN2 later in the year. :-)

Small Wonder Labs is in over load with the Rock-Mite craze that you all know about and won't let die. :-) And with the feature article in QST for the April issue I know that Dave isn't going to get much rest for a while.

I'm sure that Dave will make every effort to get the DSW-II into production as soon as his schedule allows. I know that we have all been waiting for it for some time. He will be showing the little critter at Atlanticon

and where ever else he goes so be sure to take a look at it. I'll have more details on the web page as soon as I can get it done in the next few days. Just a heads up notice.

I paid the retail price of \$150, so I didn't get a blue-light special on the rig and I don't work for SWL..... I'm just a happy customer and have been for years.

FYI

dit dit es cul,

Chuck Adams, K7QO
<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Fri, 28 Mar 2003 07:34:30 -0500
From: Alex <kr1st@amsat.org>
To: k3ph@ptd.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148275] Re: QRP-L Numbers
Message-ID: <3E844156.794A7970@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Bob Schreibmaier wrote:

> When I resubscribed last October, it was with my present e-mail
> address of k3ph@ptd.net. Yet the listing shows me at the now
> non-existent dxis.monroe.pa.us address. Very strange.

I didn't realize that it was this easy to harvest email addresses.
Perhaps you need to be glad the info is wrong. :)

73,
--Alex KR1ST

Date: Fri, 28 Mar 2003 08:00:23 -0500

From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@lehigh.EDU>
Cc: <sew1@acsu.buffalo.edu>
Subject: [148276] Re: Optimized qrp transciever
Message-ID: <008e01c2f529\$ff77f0f0\$13a854d1@6300us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Scott,

The Optimized QRP Transceiver was designed by Roy Lewellan, W7EL and is a first class rig. I would venture to say that I have more QSO's with it than anything I've ever owned, and I think I've built five of them. I would strongly recommend not replacing the diode ring mixer with an SA612. If you don't want to match diodes or mess with the cores, a Mini-Circuits mixer will work great.

Also, I wonder if you'd be happier with a keyer chip that will allow you to shut off the side tone but still hear the programming tone, allowing you to keep the rig's sidetone circuit.

Its two drawbacks are the DC receiver (if you call that a drawback) and the HI-Z audio output, which can easily be changed to LO-Z.

Denny Payton N9JXY

Date: Fri, 28 Mar 2003 22:25:09 +0900
From: Junichi Nakajima <nakaji@crl.go.jp>
To: qrp-l@Lehigh.EDU
Subject: [148277] Re: Re NorCal :Mini boots kit
Message-ID: <200303281322.WAA00183@ryuu.>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Bill and all,

Doug posted recently they are doing their best.
The subject was "No new news of Miniboots".
Since this is non-profit club kit, waiting side should not rush them so much. Always final products are better than we thought.

Variety of final transistor available for QRP are rapidly decreasing in their selection. Many T0-220 RF PA transistors used in HF/VHF are obsolete in market affected by decline of CB products.

>From a point of view, FET-based final, the Mini-boots will be an important kit for the community. Though there are disadvantages in sprious and conbtrol, the IRF-510 will not dissaper.

Juichi Nakajima, JL1KRA

Date: Fri, 28 Mar 2003 08:22:37 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [148278] Re: Optimized qrp transciever
Message-ID: <5.1.1.6.1.20030328082121.00a64d30@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

> BTW, size is not a concern, so if the rig ends up being in a 4"*4"
> enclosure, that's ok!

Scott,

Only on QRP-L can somebody make that statement with a straight face! (grin)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 28 Mar 2003 08:44:38 -0500
From: Jim Eshleman <jce0@Lehigh.EDU>
To: kr1st@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148279] Re: QRP-L Numbers
Message-ID: <3E8451C6.2080200@Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

> I didn't realize that it was this easy to harvest email addresses.
> Perhaps you need to be glad the info is wrong. :)

It's a whole lot easier than that... The list archives are and always have been public. Not to mention the thousands of other lists with archives, newsgroup archives (google), etc.

But if you want to be removed from the member number list just let me know.

73
Jim N3VXI

Date: Fri, 28 Mar 2003 08:26:55 -0500
From: Jim Campbell <jim-c@charter.net>
To: k5oi@cox.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [148280] Re: QRP-L Numbers
Message-ID: <3E844D9F.5000605@charter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Perhaps one way to minimize the confusion would be to have everyone transmit the number as four digits. Sending "0073" would remove the confusion and have the side effect of levelling the playing field of all of us. Certainly no one will be confused by my number, "2452" <VBG>.

Jim
W4BQP

Tim Pettibone wrote:

> Wow! I was "lucky" and got QRP-L # 73, except that it turned out to
> be a curse. Back in the days when we used QRP-L numbers as part of
> the exchange for the FOX hunts (I still like that idea and am sorry we
> stopped), I got lots of confusion going when I sent my number as
> "73". This whole discussion brings back lots of fond memories. It
> can't have been 10 years already! Remember the winds at Riley, Chuck,
> Doug, Paul?
>
> Tim K50I
> QRP-L # 73 (geez, just missed the coveted # 72!)

>
>
>

Date: Fri, 28 Mar 2003 06:49:21 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Doc K0EVZ <dock0evz@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [148281] Re: [re]Summer FOX Survey
Message-ID: <Pine.LNX.4.44.0303280642530.1501-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Doc, in the mountain time zone a 0200 UTC Friday is Thursday evening at 8 PM. The sun is still up in Las Cruces, NM. But it is 10 PM in NY and it's dark.

I do not think 20 meters stays open later. I think it is just that the sun is up later in the summer with Daylight Slaving time.

On Thu, 27 Mar 2003, Doc K0EVZ wrote:

> Gang:
>
> Thanks to so MANY who responded to the informal survey. Wow! As replies
> are still coming in, I will refrain from posting the stats thus far.
>
> HOWEVER a couple of guys noted that 20 Metres is normally open *later*
> during the summer than it is at present. So this is something to think
> about.
>
> 73,
> --Doc/K0EVZ
>
>
>
>
>
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 28 Mar 2003 08:52:12 -0500
From: "Tom Curtola" <tcurtola@rogers.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [148282] For Trade
Message-ID: <001001c2f531\$3c62b660\$54103141@bloor.phub.net.cable.rogers.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm posting this for a friend. Please email him directly as indicated below:

=====

Wanted to trade: I have an assembled K1 40/20 module. I am looking for an assembled K1 80/40 module. Contact Tom Hamblin, VA3HN, off list at hamblin@mirusinternational.com.

=====

(second of forth weekly posting)

Date: Fri, 28 Mar 2003 09:06:51 -0500
From: fcsww@juno.com
To: qrp-l@lehigh.edu
Subject: [148283] rigs for sale
Message-ID: <20030328.091015.-3644825.0.fcsww@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SWL20 w/freqmite in SWL case . . . 95
Rockmite 40 in Doug Hauff case . . . 70
Assembled, working and with documentation.

Dick W2SCF

fcsww@juno.com

Date: Fri, 28 Mar 2003 08:21:07 -0600
From: Randy Moore <wrmoore47@comcast.net>
To: qrp-l@Lehigh.EDU
Subject: [148284] Atlanticon and DSW-II
Message-ID: <003d01c2f535\$465d0bd0\$962bcd88@thaadsivv.sed.redstone.army.mil>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

You guys attending Atlanticon be sure to post whatever K1SWL has to say about the DSW-II. We'll be waiting (im)patiently!

73 and have fun!
Randy, KS4L

Randy Moore
Huntsville, AL

Date: Fri, 28 Mar 2003 09:53:56 -0500
From: "Joe Everhart" <n2cx@voicenet.com>
To: "njqrp" <njqrp@njqrp.org>
Cc: "qrp1" <qrp-l@lehigh.edu>
Subject: [148285] C-21 FS at Atlanticon
Message-ID: <000901c2f539\$dc5823a0\$982f67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

I stilll have a Ten-Tec C-21. I'll be at Atlanticon and would like to find it a new home where it will get more use. Since I got a Sierra the C-21 just sits in a corner looking lonely.

It covers 80-10 meters CW (no WARC) and up to 70 watts input. I've used it idling at QRP levels with great results. The 100/25kHz calibrator and manual are included.

Gee, it even qualifies for the upcoming TAC in terms of age!

If interested look me up at Atlanticon.

72/73,

Joe E., N2CX

Date: Fri, 28 Mar 2003 10:13:44 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148286] Re: QRP-L Numbers
Message-ID: <3E8466A8.B35D54E0@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Jim Eshleman wrote:

> > I didn't realize that it was this easy to harvest email addresses.
> > Perhaps you need to be glad the info is wrong. :)
>
> It's a whole lot easier than that... The list archives are and
> always have been public. Not to mention the thousands of other lists
> with archives, newsgroup archives (google), etc.

It wasn't meant as criticism. It was merely a realization on my part that it is relatively easy to obtain email addresses from everyone who is subscribed (or who has a number as in this case), even from folks who may never have posted (they would not be in such archives).

But I'll keep my number. In 50 years it's good for some bragging rights. :)

73,
--Alex KR1ST

Date: Fri, 28 Mar 2003 10:34:23 -0500
From: Jim Eshleman <jce0@Lehigh.EDU>
To: kr1st@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [148287] Re: QRP-L Numbers
Message-ID: <3E846B7F.6010706@Lehigh.EDU>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

> It wasn't meant as criticism. It was merely a realization on my part
> that it is relatively easy to obtain email addresses from everyone who
> is subscribed (or who has a number as in this case), even from folks who
> may never have posted (they would not be in such archives).

Quite true.

Although I think attempts to keep one's email address "private" so it cannot be harvested is fruitless, the offer still stands. I understand some are sensitive about where their email address appears. In the unlikely event anyone that would like to give up their member number (in which case it would be assigned to the next person requesting one) or have a "fake" email address in the member list just let me know. I have already done such a thing for our SK friend:

664 Bob_Gobrick@SK N0EB

73

Jim N3VXI

Date: Thu, 27 Mar 2003 23:06:26 -0800

From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>

To: k5oi@cox.net,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [148288] Re: QRP-L Numbers

Message-ID: <5.1.1.6.0.20030327225322.0192ecf8@pop.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:43 PM 3/27/2003 -0600, Tim Pettibone wrote:

>Wow! I was "lucky" and got QRP-L # 73, except that it turned out to be a
>curse.

>Back in the days when we used QRP-L numbers as part of the exchange for
>the FOX hunts (I still like that idea and am sorry we stopped),
>I got lots of confusion going when I sent my number as "73". This whole
>discussion brings back lots of fond memories.

> It can't have been 10 years already! Remember the winds at Riley,

> Chuck, Doug, Paul?

>

>Tim K5OI

>QRP-L # 73 (geez, just missed the coveted # 72!)
>

Tim et al,

Those of us that were at Riley NM (a ghost town) will never ever forget the wind. :-)

I'm still finding sand in stuff that went on that trip. It was one of the early QRPTTF expeditions for those that weren't here at that time. Remember the group that flew cross country aeronautical mobile in a Cessna 310 dragging a long wire?

QRP-L numbers will not be used during the 10th year bash even on Sunday April 6th. So there is no need to rush out and get one. But you will be sending and receiving numbers. :-)

When I started the Fox Hunt (and please note that I have not been a part of that group for some time although aperiodically I get email) I wanted the NR field in the exchange to give people code practice.

But it must have been too hard for some one and it was dropped. Maybe enough of you can email the group next year before it starts to get it back in the exchange. It was fun IMHO..... :-) The exercise has gotten too serious now and the number of hounds too large to manage in a short period of time. The whole purpose of this group is to have fun and exchange information and help each other.

And it has been 10 years and counting..... :-)

dit dit

Chuck Adams, K7Q0

<http://www.qsl.net/k7qo> and <http://www.earthlink.net/~k7qo>

Moving to Arizona? ---- Please bring your own water.

Date: Fri, 28 Mar 2003 10:36:55 -0600
From: Chuck Carpenter <w5usj@9plus.net>

To: qrp-1@lehigh.edu
Subject: [148289] ArkieCon Weather
Message-ID: <3.0.2.32.20030328103655.00814100@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just checked the long-range forecast for Ft. Smith, AR.

Looks like the Ft. Smith folks have ordered up some nice weather for ArkieCon weekend. Daytime temps forecasted to be in the 70s and mostly sunny.

Not bad for being that far North... [g]

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Fri, 28 Mar 2003 17:01:01 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [148290] Question on Wideband Transformers/Use of 'filar windings
Message-ID: <F10LN0HYvhiiQ152tEg00008733@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am wondering whether some of the more eloquent of this assembly might be willing and able to expound on the factors determining when 'filar (bifilar, trifilar, multifilar, ?filar, &c.) windings should be used in wideband transformers.

As a corollary to this request, and perhaps Chris Trask might best answer this, is such an arrangement of windings desirable or necessary in such cases as the transformers in his "augmented lossless feedback amplifier"? One can imagine that in this particular example, where the windings specified for one transformer are 4/4/8 turns that such could be accomplished using 4-filar winding wound 4 times around the core and with some of the windings in series. But I suspect that this is just a coincidence?

Brad KG6IOE

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Fri, 28 Mar 2003 17:52:40 GMT
From: psschwarz@kellnet.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [148291] Tansverters - Thank you.
Message-ID: <20030328175240.29190.qmail@mail.kellnet.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks all for your replies. All info is being digested and sources explored.

Patrick...KB8RTZ...

Date: Fri, 28 Mar 2003 09:51:55 -0800
From: Dan Presley <dpresley1@comcast.net>
To: qrp-1@LeHigh.EDU
Subject: [148292] Fox: final log N7CQR
Message-ID: <p05010405baa9a2a50b54@[192.168.123.199]>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

OK- I think I have all of the errors straightened out :). Most were just transcription errors from my written log to email. I need to stop the 2AM work! Some have asked about my setup- it was the K2 (with all the latest mods) and a 90' rotatable dipole. Sorry for the sloppy formatting in previous emails- this should look better. Thanks again for all of the hunters and the fox committee-hope to see you in the summer hunts!

UTC	Call	RST	SPC	Name	Pwr
0200	N0TK	559	CO	Dan	5W
0202	KG6CYN	599	CA	Trev	5W
0204	AC7A	559	AZ	Tom	5W
0204	K6MMC	559	CA	Mike	5W
0205	KB7WW	559	OR	Art	5W
0206	N2WW	599	CO	Larry	5W
0207	K50I	559	OK	Tim	5W
0208	N3BJ	559	VA	Alan	5W
0210	AC5JH	559	OK	Tom	5W
0211	WW7Y	559	UT	Steve	5W
0212	K7TQ	559	ID	Randy	5W

0212	K0FRP	559	CO	Al	5W
0213	KK5LD	559	TX	Dan	5W
0214	VE6EX	559	AB	Dan	5W
0214	KR5C	559	TX	George	5W
0215	K5DI	559	NM	Karl	5W
0216	W7KXB	559	AZ	Bill	5W
0217	AA50	559	LA	Vern	5W
0218	W0CH	559	MO	Dave	5W
0218	N1FN	55	CO	ET	5W
0219	K5ZTY	559	TX	Bill	5W
0220	NK6A	559	CA	Don	5W
0223	K5AIC/4	559	TN	Herb	5W
0224	N9NE	549	WI	Todd	5W
0225	WA8NTA	559	CO	Dick	5W
0226	W5YR	559	TX	George	5W
0227	NQ7X	559	AZ	Floyd	5W
0227	VE6KG	559	AB	Norm	5W
0230	N5ZE	559	TX	Lew	5W
0230	KK5NA	559	TX	Joe	5W
0231	AG0T	559	ND	Todd	5W
0232	K5JHP	559	TX	Bill	5W
0233	WA6STC	559	CA	Ralph	5W
0235	K5DW	559	TX	Don	5W
0236	K5SA	579	MS	Skip	5W
0238	W5USJ	559	TX	Chuck	5W
0239	K5EOA	559	LA	Wayne	5W
0239	VE6JAZ	559	AB	Rob	5W
0240	WD9F	559	IL	Woody	5W
0241	W5TB	559	TX	Doc	5W
0242	K9DC	559	IN	Dave	5W
0243	K5SR	559	TX	Dale	5W
0244	AB9CA	559	AL	Dave	5W
0245	W4NJK	559	CA	Charles	5W
0246	KE6RS	559	CA	Ron	5W
0247	AF4LQ	559	KY	Mike	5W
0248	K3ESE	559	MD	Lloyd	5W
0249	N1TP	559	FL	Tom	5W
0252	W0UFO	559	MN	Mert	5W
0253	NN5E	559	TX	Vern	5W
0254	K0PC	559	MN	Pat	5W
0258	K5TCC	459	TX	Doc	5W
0259	KJ0C	559	MO	Jim	5W
0301	N6LIF	559	TX	Marty	5W
0302	K4TJD	559	GA	Tom	5W
0303	N0UR	559	MN	Jim	5W
0304	KR0U	579	CO	Tim	5W
0304	N9AW	559	WI	Jerry	5W
0305	AD6JV	559	VA	Bill	5W

0307	W9UQB/7	559	AZ	Mike	5W
0309	WE9K	559	WI	Glenn	5W
0310	AJ4AY	559	AL	Jay	5W
0311	W2XN	559	FL	Fred	5W
0316	WS4S	449	TN	Conard	5W
0317	N0RC	559	CO	Rod	5W
0318	K3PH	559	PA	Bob	5W
0321	KI0II	559	CO	Ron	5W
0322	NV4V	559	KY	Pete	5W
0322	AE4TC	559	VA	Scott	5W
0325	W3NCG	559	GA	Darren	5W
0327	KD5CMN	559	TX	Mike	5W
0328	K5PSH	559	TX	Jerry	5W
0329	N00R	559	CO	Jim	4W
0330	WA9TZE	449	WI	Jim	5W
0333	NK9G	559	WI	Rick	5W
0333	K4GT	559	GA	Jim	5W
0334	W9XU	559	WI	Lon	5W
0348	KC9LC	559	VA	Randy	5W
0341	N5IB	559	LA	Jim	5W
0342	NA8M	559	MI	John	5W
0344	WB6BWZ	559	GA	Matt	5W
0345	KC2CK	559	NY	Don	5W
0348	K2ZN	559	NY	Al	5W
0350	AF4PS	559	FL	Mac	3W
0351	WA8BXN	559	OH	Mike	5W
0353	W8YMO	559	OH	Harry	5W
0356	VE5RC	229	SK	Bruce	5W
0358	W4YN	559	NC	Tim	5W
0400	K0EVZ	559	ND	Fox	
0400	N7CQR	559	OR	Fox	

--

Dan Presley-N7CQR-Portland, Or QRP-L #502
n7cqr@arrl.net

Date: Fri, 28 Mar 2003 11:10:57 -0700
 From: "Chris Trask" <chistrask@earthlink.net>
 To: <alihernlem@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
 Subject: [148293] Re: Question on Wideband Transformers/Use of 'filair windings
 Message-ID: <005a01c2f555\$62a1ee80\$b78e3a41@default>

MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

On Friday, March 28, 2003 10:01 AM, Brad Hernlem wrote:

>
> I am wondering whether some of the more eloquent of this assembly
> might be willing and able to expound on the factors determining
> when 'filar (bifilar, trifilar, multifilar, ?filar, &c.) windings
> should be used in wideband transformers.
>

Multi-filar windings should be used in wideband transformers whenever and wherever it is practical. The number of wires should be limited to no more than three as more than that will cause the interwire capacitances to be unequal, which disturbs the coupling coefficient(s).

>
> ...is such an arrangement of windings desirable or necessary in
> such cases as the transformers in his "augmented lossless feedback
> amplifier"?
>

Yes and no. For the feedback transformer I used to use a quadrifilar winding, until I realised that making the input winding separate from the output winding was more desirable from a physical standpoint as it allowed the input wires to be on one end of the binocular core and the output wires on the other end (see my Communications Quarterly article for a drawing). I still use a 1:1:1 winding for the output, tying two of them together to make a 1:2 output winding which helps keep the coupling coefficient of the output winding high. It's a compromise between performance and practicality. Twisting all of the wires together will decrease the leakage inductance due to the exposed wires at the ends of the binocular core, but is a bit cumbersome from a layout standpoint. This will affect the high frequency cutoff of the amplifier.

>
> One can imagine that in this particular example, where the windings
> specified for one transformer are 4/4/8 turns that such could be
> accomplished using 4-filar winding wound 4 times around the core and
> with some of the windings in series. But I suspect that this is just
> a coincidence?
>

Yes, it's a bit of a coincidence. A lossless feedback amplifier with a 1:1:2 turns ratio on the feedback transformer is convenient from a

Chris

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

I am offering it here on QRP-L, today, and then it will go to the 'regular' BoatAnchor / Collins channels-it is very unlikely it will last long enough in this process to get to ebay, but I will resort to that if I have to. Photos are available. I'd rather not ship-but if required, professional

shipping will be extra. Price: \$1650 for both receiver and speaker.

73 Ed Tanton N4XY <n4xy@earthlink.net>

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189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

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OK-QRP QRP-L #758 K2 (FT) #00057

"Suppose you were an idiot ...
And suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Fri, 28 Mar 2003 15:21:47 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>,
noGA reflector <nogaqrp@mailman.qth.net>
Subject: [148295] OT: Great Hubble Photo URL
Message-ID: <5.2.0.9.2.20030328151850.03474178@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Beautiful photo of the "Dumbell" Messier 27 (M27) planetary nebula at:
<<http://www.nmm.ac.uk/uploads/gif/M27.gif>>

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"Suppose you were an idiot ...
And suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Fri, 28 Mar 2003 16:27:07 -0500
From: "Al McRorie" <mcrorie7@rogers.com>
To: "QRP-L List" <qrp-l@Lehigh.edu>
Subject: [148296] OT: Astronomical Picture of the Day
Message-ID: <001201c2f570\$c9718ec0\$0200a8c0@machine4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

speaking of the Hubble pics, this is another great site for those kind of
pictures... <http://antwrp.gsfc.nasa.gov/apod/astropix.html>

Al VE3GAM

Date: Fri, 28 Mar 2003 21:45:52 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [148297] Re: Question on Wideband Transformers/Use of 'filar windings
Message-ID: <F787ThIT5DCSkgbubaR0000dd06@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I have another question (and thanks to those who provided answers to my
first):

When and why would one want to place windings, using a binocular core, such that they pass around the outside of the core rather than solely between the two holes? How does this affect the design values which I believe are usually specified on the datasheets as inductance per turns assuming only between the two holes?

Brad

P.S. is a toroid a "monocular core"? b-)

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Date: Fri, 28 Mar 2003 17:07:07 -0500
From: "William K. Harding" <k4ahk@ix.netcom.com>
To: "QRP-L Mail" <qrp-l@lehigh.edu>
Subject: [148298] Icom 703
Message-ID: <E18z1zN-0001Gk-00@smtp10.atl.mindspring.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I stopped by Ham Radio Outlet today in Woodbridge, VA and asked them what they knew about the 703. The salesman said "not much". They had a copy of the specs posted on a bulletin board but no Icom literature yet. He said that they expect to receive some of the units without the 6-meter option sometime next week. HRO's "street" price is posted as \$699.

Bill - K4AHK

End of QRP-L Digest 2873
